

Mathematics Toolkit: Grade 3 Objective 2.A.1.b

Standard 2.0 Knowledge of Geometry

Topic A. Plane Geometric Figures

Indicator 1. Analyze the properties of plane geometric figures

Objective b. Identify or describe polygons

Assessment Limits:

Use triangles, quadrilaterals, pentagons, hexagons, or octagons and the number of sides or vertices

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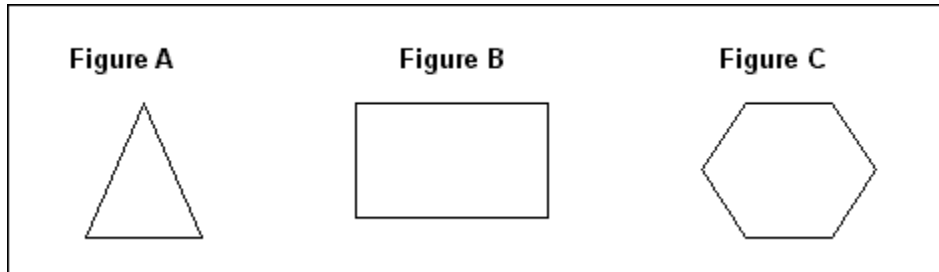
Objective 2.A.1.b Tools

- Higher Order Thinking Skill
- Sample Item #1 - Selected Response (SR)

Higher Order Thinking Skills

Mathematics Grade 3 Objective 2.A.1.b Assessment Limit 1

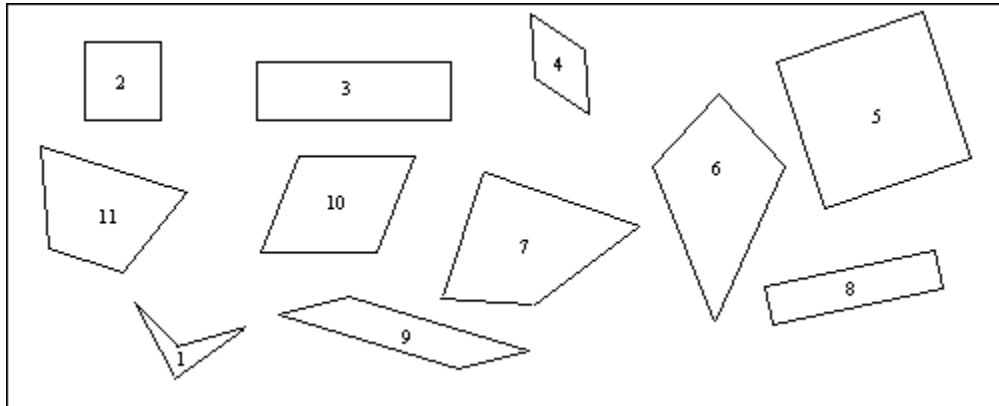
Level 1: Knowledge/Comprehension



1. What type of figure is Figure A?
2. How many angles are in Figure C?
3. How many line segments are in Figure B?

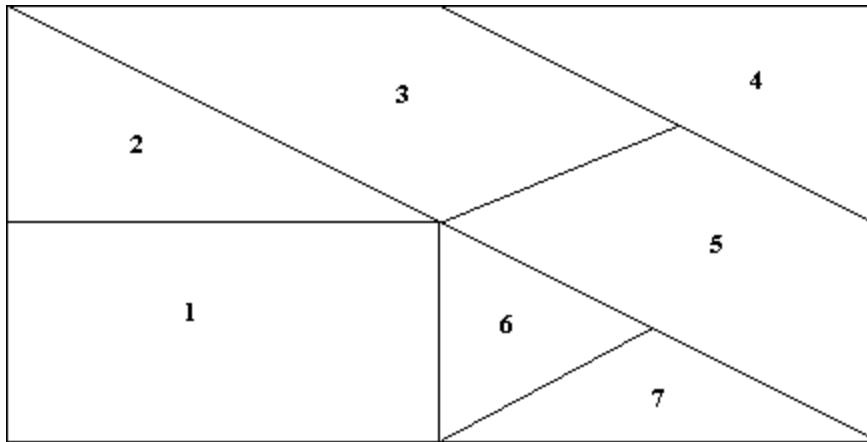
Level 2: Application/Analysis

What type of shape is shown below? Sort the shapes in two different ways. Tell how you sorted them.



Level 3: Synthesis/Evaluation

Cut out the pieces below.

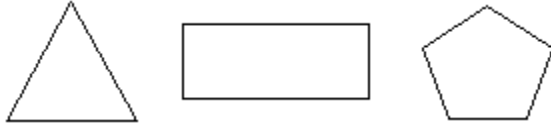


1. Put two pieces together to make a triangle with three sides the same.
2. Put two pieces together to make a rectangle. Find another piece the same as your rectangle.
3. Find two triangles with a right angle.
4. Put three pieces together to make a square. How do you know it's a square?
5. Find a triangle with just two sides the same.
6. Find a figure with all the sides the same.
7. Find a figure with all the angles the same.
8. Put two pieces together to make a pentagon.

Sample Item #1 - Selected Response (SR) Item

Mathematics Grade 3 Objective 2.A.1.b

Fatima draws a triangle, Cheng draws a rectangle, and George draws a pentagon, as shown below.



If the pattern continues, what is the next geometric figure that will be drawn?

- A. A hexagon
- B. A quadrilateral
- C. An octagon
- D. A pentagon

Correct Answer:

A